

# Tanveer Mangat

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## EDUCATION

### The University of Texas at Dallas

B.S. in Computer Information Systems and Technology

Concentration: Business Intelligence and Analytics

Expected May 2027

GPA: 3.9 | Academic Excellence Scholarship

## EXPERIENCE

### Risk Analytics Intern

May 2025 – Aug 2025

DriveTime

- Supported the Fraud and Loan Valuation teams within Bridgecrest, DriveTime's lending division, to enhance underwriting accuracy and improve customer profitability forecasting.
- Designed an automated income calculation tool that analyzed customer bank statements in Excel and Snowflake, reducing manual processing time by over 95% and contributing to a 3% increase in total sales.
- Developed and validated a payoff prediction model by building a customer segmentation and rank-ordering framework with SQL and JavaScript in Snowflake; collaborated with the Pricing Team to implement changes based on profitability insights.

### Technical Instructor

Mar 2024 – Mar 2025

ICODE

- Lead and implemented group instruction for engaging students in lectures aged 7-15, teaching technical skills ranging from coding Python for drone control, website building with HTML and CSS, and Game Design.
- Guided students in advanced projects, such as customizing Minecraft, developing games in Roblox with C++, and designing objects for 3D printing, resulting in 95% increase in student engagement and project completion rates.
- Achieved consistent learning outcomes, with 90% of the students mastering core concepts and independently expanding their projects beyond classroom instruction, demonstrating increased proficiency in the topic.

### IT System Intern

May 2023 – Jul 2023

TekLayer Consulting

- Configured, deployed, and maintained desktops, laptops, servers, and networking equipment, ensuring seamless IT operations through Intune to reduce downtime by 10%.
- Diagnosed and resolved network connectivity issues, software glitches, and hardware malfunctions, enhancing system liability using TCP/IP models.
- Delivered comprehensive training and technical support for IT applications and equipment, streamlining user workflows and increasing user efficiency and satisfaction.

## PROJECTS

### Health & Fitness AI App

Sept 2024 – Dec 2024

Artificial Intelligence Mentorship Program - UT Dallas

- Developed an AI-powered Health & Fitness app with personalized workout plans and continuous updates built on Flutter, TensorFlow, AWS, and MySQL for data storage and management.
- Created a user-friendly calorie tracking dashboard and meal recommendation system integrated with APIs, visualized using Chart.js for real-time tracking.
- Implemented progress tracking features with MySQL, allowing users to monitor workouts, calories, and goals, continuously being adjusted by AI based on performance data.

## ACTIVITIES

### Education Officer

Jan 2025 – Present

Association for Informational Systems

### Member

Aug 2025 – Present

Professional Program in Computer Information Systems & Technology

### Volunteer

Jan 2025 – Present

Helping Kids Succeed through the Texas Rangers

### Volunteer

Aug 2024 – Present

Sikh Student Association

## TECHNICAL SKILLS

**Programming Languages:** SQL, Python, HTML, C++, JavaScript

**Tools:** Snowflake, Visual Studio Code, macOS, IDLE, IDE, MS-Excel, IntelliJ, Adobe Creative Cloud, Canva, MySQL, Flutter

**Certifications:** Device Configuration & Management, Introduction to Programming Using Python, Information Technology

Specialist in Networking, Google IT Support Professional

**Language Fluency:** English, Punjabi, Hindi, Urdu